

10/551,417

STN Structure Search
3/24/07

=> d ibib abs hitstr 1-43

L4 ANSWER 1 OF 43 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:1166910 CAPLUS

DOCUMENT NUMBER: 145:437471

TITLE: Mycotoxins and Other Secondary Metabolites Produced in Vitro by *Penicillium paneum* Frisvad and *Penicillium roqueforti* Thom Isolated from Baled Grass Silage in Ireland

AUTHOR(S): O'Brien, Martin; Nielsen, Kristian F.; O'Kiely, Padraig; Forristal, Patrick D.; Fuller, Hubert T.; Frisvad, Jens C.

CORPORATE SOURCE: Teagasc, Grange Beef Research Centre, Ire.

SOURCE: Journal of Agricultural and Food Chemistry (2006), 54(24), 9268-9276

CODEN: JAFCAU; ISSN: 0021-8561

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Secondary metabolites produced by *Penicillium paneum* and *Penicillium roqueforti* from balled grass silage were analyzed. A total of 157 isolates were investigated, comprising 78 *P. paneum* and 79 *P. roqueforti* isolates randomly selected from more than 900 colonies cultured from bales. The findings mostly agreed with the literature, although some metabolites were not consistently produced by either fungus. Roquefortine C, marcfortine A, and andrastin A were consistently produced, whereas PR toxin and patulin were not. Five silage samples were screened for fungal metabolites, with 2 visually moldy samples containing up to 20 mg/kg of roquefortine C, mycophenolic acid, and andrastin A along with minor quantities (0.1-5 mg/kg) of roquefortines A, B, and D, festuclavine, marcfortine A, and agroclavine. Three visually nonmoldy samples contained low amts. of mycophenolic acid and andrastin A. The ability of both molds to produce a diverse range of secondary metabolites in vitro and in silage should be a concern to livestock producers.

IT 75731-43-0, Marcfortine A

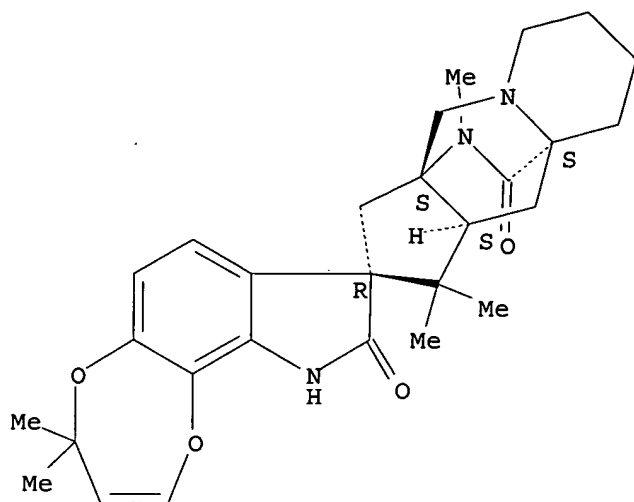
RL: BSU (Biological study, unclassified); POL (Pollutant); BIOL (Biological study); OCCU (Occurrence)

(mycotoxins and secondary metabolites produced by *Penicillium paneum* and *Penicillium roqueforti* from balled grass silage in Ireland)

RN 75731-43-0 CAPLUS

CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4,12'-pentamethyl-, (2'R,3'aS,9'aS,10'aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 43 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2006:596359 CAPLUS

DOCUMENT NUMBER: 145:79512

TITLE: Production of Metabolites from the *Penicillium roqueforti* Complex. [Erratum to document cited in CA144:386081]

AUTHOR(S): Nielsen, Kristian Fog; Sumarah, Mark W.; Frisvad, Jens C.; Miller, J. David

CORPORATE SOURCE: Centre for Microbial Biotechnology, BioCentrum-DTU, Technical University of Denmark, Kgs. Lyngby, DK-2800, Den.

SOURCE: Journal of Agricultural and Food Chemistry (2006), 54(14), 5216

CODEN: JAFCAU; ISSN: 0021-8561

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Table 3 contains several entries that are incorrect. The corrected table is given.

IT 75731-43-0, Marcfortine A 75789-29-6, Marcfortine B

75789-30-9, Marcfortine C

RL: BSU (Biological study, unclassified); BIOL (Biological study) (metabolites from *Penicillium roqueforti* complex from silage related silage toxicosis (Erratum))

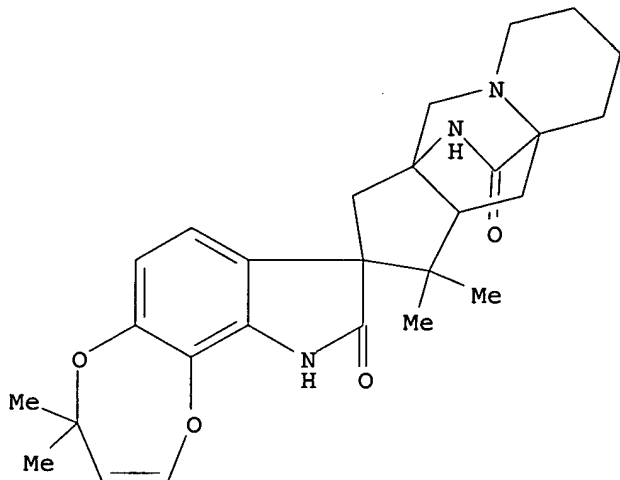
RN 75731-43-0 CAPLUS

CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4,12'-pentamethyl-, (2'R,3'aS,9'aS,10'aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

10/551,417

CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'-(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'-(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4-tetramethyl-, (2'R,3'aR,9'aS,10'aR)-(9CI) (CA INDEX NAME)



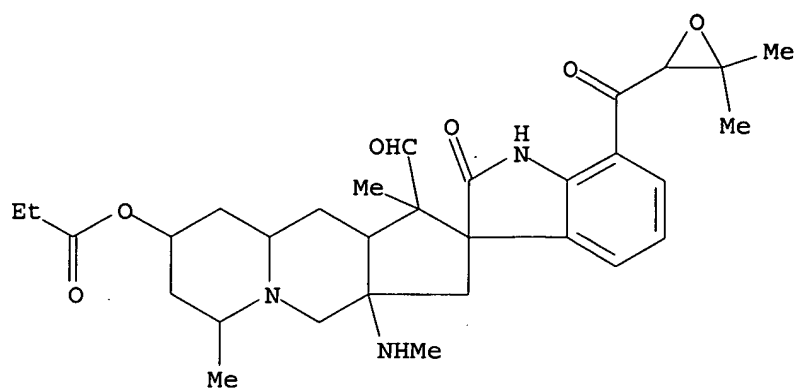
REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Inventor
L4 ANSWER 6 OF 43 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:847633 CAPLUS
DOCUMENT NUMBER: 141:313040
TITLE: Histamine H3 receptor inhibitors PF1270A, B and C
INVENTOR(S): Kushida, Nobuaki; Watanabe, Naoko; Yaguchi, Takashi; Yokoyama, Fumikazu; Tsujiuchi, Goh; Okuda, Takako
PATENT ASSIGNEE(S): Meiji Seika Kaisha, Ltd., Japan
SOURCE: PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087938	A1	20041014	WO 2004-JP4416	20040329
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1612273	A1	20060104	EP 2004-724195	20040329
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK			
PRIORITY APPLN. INFO.:			JP 2003-93595	A 20030331
			WO 2004-JP4416	W 20040329

GI

10/551,417

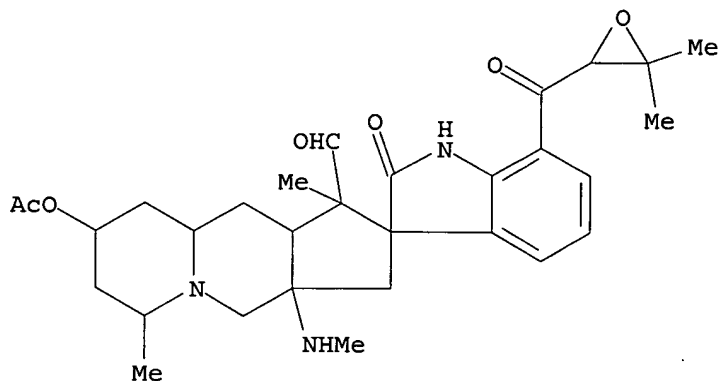


RN 767333-72-2 CAPLUS

CN Spiro[cyclopenta[b]quinolizine-2(3H),3'-[3H]indole]-1-carboxaldehyde,
8-(acetyloxy)-7'-[(3,3-dimethyloxiranyl)carbonyl]-
1,1',2',3a,4,6,7,8,9,9a,10,10a-dodecahydro-1,6-dimethyl-3a-(methylamino)-
2'-oxo-, (+)-(9CI) (CA INDEX NAME)

Rotation (+).

Currently available stereo shown.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 43 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:777890 CAPLUS

DOCUMENT NUMBER: 142:106611

TITLE: Interrelationships among physicochemical properties,
absorption and anthelmintic activities of
2-desoxoparahequamide and selected analogs

AUTHOR(S): Johnson, S. S.; Coscarelli, E. M.; Davis, J. P.; Zaya,
R. M.; Day, J. S.; Barsuhn, C. L.; Martin, R. A.;
Vidmar, T. J.; Lee, B. H.; Conder, G. A.; Geary, T.
G.; Ho, N. F. H.; Thompson, D. P.

CORPORATE SOURCE: Pfizer Animal Health, Kalamazoo, MI, USA

SOURCE: Journal of Veterinary Pharmacology and Therapeutics
(2004), 27(3), 169-181

CODEN: JVPTD9; ISSN: 0140-7783

PUBLISHER: Blackwell Publishing Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

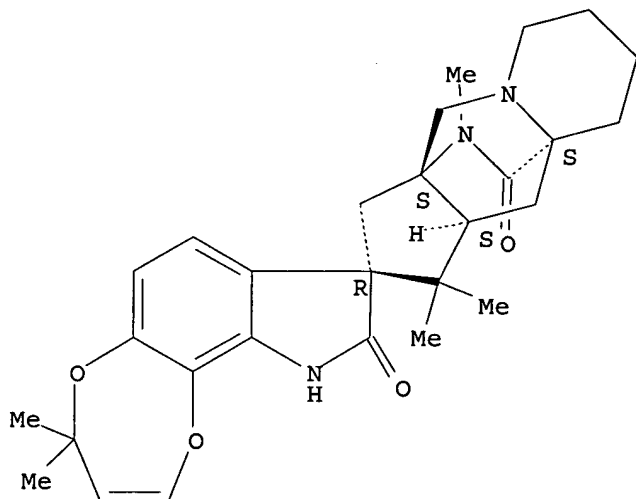
AB The interrelationships between physicochem. properties, absorption and

10/551,417

RN 75731-43-0 CAPLUS

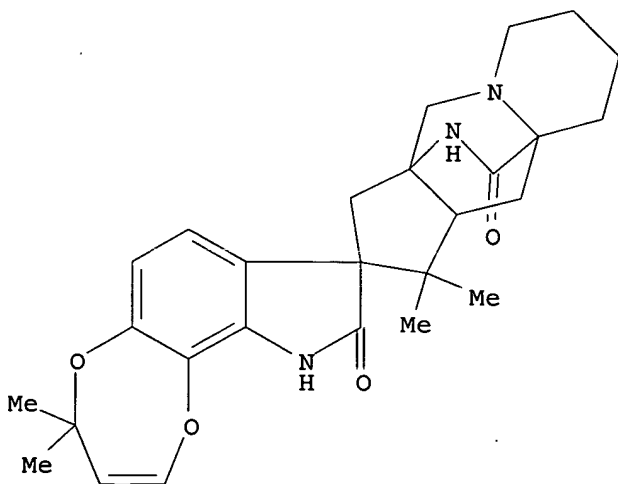
CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4,12'-pentamethyl-, (2'R,3'aS,9'aS,10'aS) - (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 75789-29-6 CAPLUS

CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4-tetramethyl-, (2'R,3'aR,9'aS,10'aR) - (9CI) (CA INDEX NAME)



RN 75789-30-9 CAPLUS

CN Spiro[1H,4H-3a,9a-(iminomethano)cyclopenta[b]quinolizine-2(3H),3'(2'H)-pyrano[2,3-g]indole]-2',11-dione, 1',6,7,7',8,9,10,10a-octahydro-1,1,7',7'-tetramethyl-, (2R,3aR,9aS,10aR) - (9CI) (CA INDEX NAME)

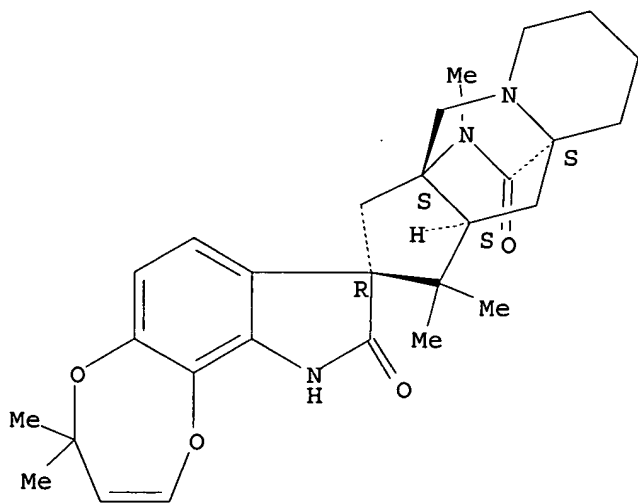
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

10/551,417

DOCUMENT NUMBER: 112:48776
TITLE: Use of the natural product marcfortines as
antiparasitic agents
INVENTOR(S): Mrozik, Helmut
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: U.S., 4 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

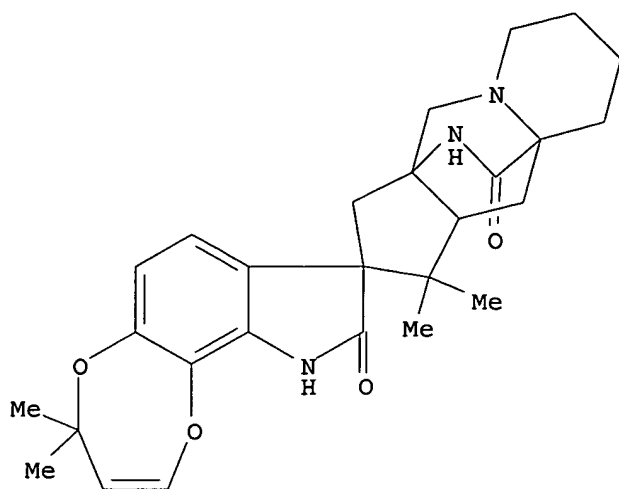
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
	US 4866060	A	19890912	US 1988-233785	19880819
PRIORITY APPLN. INFO.:				US 1988-233785	19880819
AB	Marcfortines A, B, and C of <i>Penicillium roqueforti</i> are useful antiparasitic agents for the treatment of diseases caused by endo- and ectoparasites. The active ingredient is administered orally at 0.05-20 mg/kg body weight				
IT	75731-43-0, Marcfortine A 75789-29-6, Marcfortine B 75789-30-9, Marcfortine C				
	RL: BIOL (Biological study) (parasiticide)				
RN	75731-43-0 CAPLUS				
CN	Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4,12'-pentamethyl-, (2'R,3'aS,9'aS,10'aS)- (9CI) (CA INDEX NAME)				

Absolute stereochemistry. Rotation (-).



RN 75789-29-6 CAPLUS
CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a](iminomethano)cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4-tetramethyl-, (2'R,3'aR,9'aS,10'aR)- (9CI) (CA INDEX NAME)

10/551,417



RN 75789-30-9 CAPLUS

CN Spiro[1H,4H-3a,9a-(iminomethano)cyclopenta[b]quinolizine-2(3H),3'(2'H)-pyrano[2,3-g]indole]-2',11-dione, 1',6,7,7',8,9,10,10a-octahydro-1,1,7',7'-tetramethyl-, (2R,3aR,9aS,10aR)-(9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L4 ANSWER 42 OF 43 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1981:533215 CAPLUS

DOCUMENT NUMBER: 95:133215

TITLE: Structures of marcfortine B and C (x-ray analysis), alkaloids from *Penicillium roqueforti*

AUTHOR(S): Prange, Thierry; Billion, Marie Annick; Vuilhorgne, Marc; Pascard, Claudine; Polonsky, Judith; Moreau, Serge

CORPORATE SOURCE: Inst. Chim. Subst. Nat., Gif-sur-Yvette, 91190, Fr.

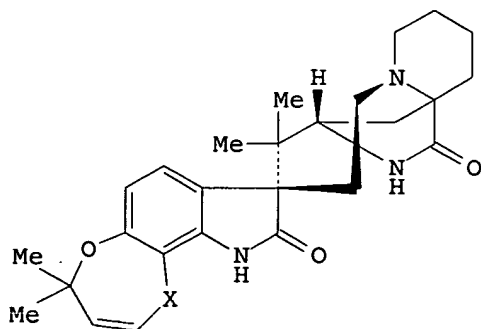
SOURCE: Tetrahedron Letters (1981), 22(21), 1977-80

CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



I

AB The structures of marcfortine B (I; X = O) and marcfortine C (I; X = bond), previously isolated from *P. roqueforti* (J. P.; et al., 1980), were determined by spectral anal. and x-ray crystallog. resp.

10/551,417

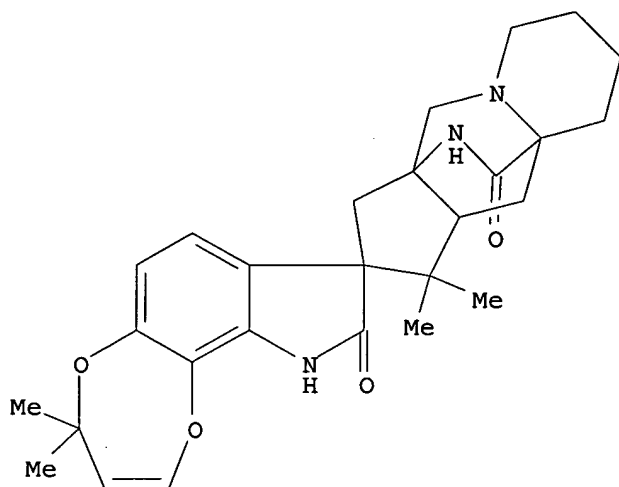
IT 75789-29-6P 75789-30-9P

RL: PREP (Preparation)

(from *Penicillium roquefortii*, structure of)

RN 75789-29-6 CAPLUS

CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a] (iminomethano) cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4-tetramethyl-, (2'R,3'aR,9'aS,10'aR)- (9CI) (CA INDEX NAME)



RN 75789-30-9 CAPLUS

CN Spiro[1H,4H-3a,9a- (iminomethano) cyclopenta[b]quinolizine-2(3H),3'(2'H)-pyrano[2,3-g]indole]-2',11-dione, 1',6,7,7',8,9,10,10a-octahydro-1,1,7',7'-tetramethyl-, (2R,3aR,9aS,10aR)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L4 ANSWER 43 OF 43 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1980:639750 CAPLUS

DOCUMENT NUMBER: 93:239750

TITLE: Isolation and structure (x-ray analysis) of marcfortine A, a new alkaloid from *Penicillium roqueforti*

AUTHOR(S): Polonsky, Judith; Merrien, Marie Annick; Prangé, Thierry; Pascard, Claudine; Moreau, Serge

CORPORATE SOURCE: Inst. Chim. Subst. Nat., Gif-sur-Yvette, 91190, Fr.

SOURCE: Journal of the Chemical Society, Chemical

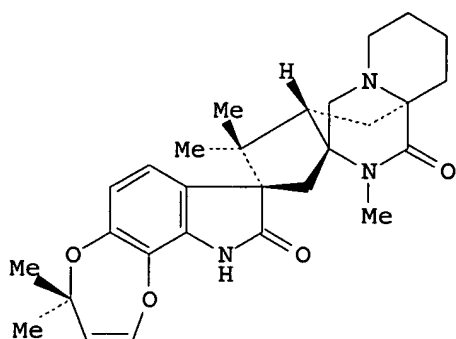
Communications (1980), (13), 601-2

CODEN: JCCCAT; ISSN: 0022-4936

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



I

AB A novel alkaloid, marcfortine A (I), was isolated from *P. roqueforti* and its structure determined by chemical and spectral means and especially by x-ray anal.

Two new minor alkaloids, marcfortine B and C, and the previously known roquefortine were also isolated.

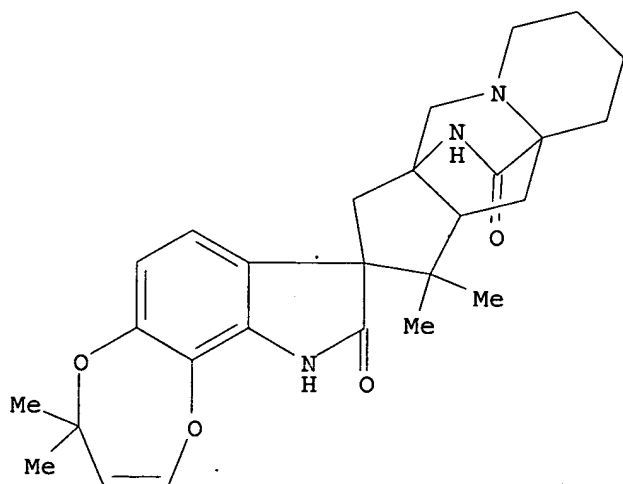
IT 75789-29-6P 75789-30-9P

RL: PREP (Preparation)

(from *Penicillium roqueforti*)

RN 75789-29-6 CAPLUS

CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a] (iminomethano) cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4-tetramethyl-, (2'R,3'aR,9'aS,10'aR)- (9CI) (CA INDEX NAME)



RN 75789-30-9 CAPLUS

CN Spiro[1H,4H-3a,9a- (iminomethano) cyclopenta[b]quinolizine-2(3H),3'(2'H)-pyrano[2,3-g]indole]-2',11'-dione, 1',6,7,7',8,9,10,10a-octahydro-1,1,7',7'-tetramethyl-, (2R,3aR,9aS,10aR)- (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT 75731-43-0P

RL: PREP (Preparation)

(from *Penicillium roqueforti*, structure of)

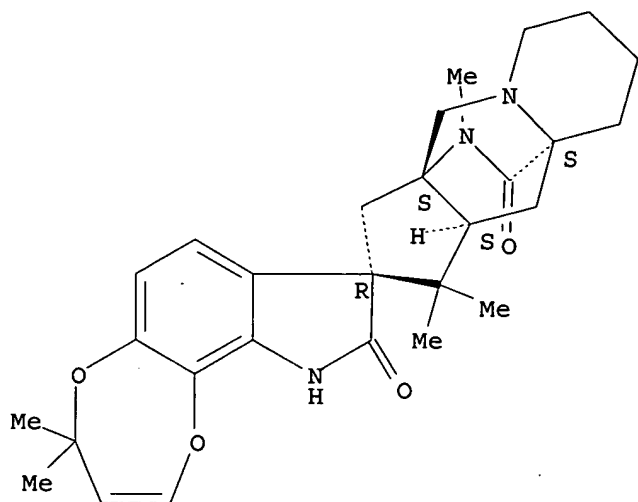
RN 75731-43-0 CAPLUS

CN Spiro[4H,8H-[1,4]dioxepino[2,3-g]indole-8,2'(3'H)-[1H,4H-3a,9a] (iminomethano) cyclopenta[b]quinolizine]-9,11'(10H)-dione, 6',7',8',9',10',10'a-hexahydro-1',1',4,4,12'-pentamethyl-,

10/551,417

(2'R,3'aS,9'aS,10'aS) - (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



=> d his

(FILE 'HOME' ENTERED AT 14:03:31 ON 21 MAR 2007)

FILE 'REGISTRY' ENTERED AT 14:04:40 ON 21 MAR 2007

L1 STRUCTURE UPLOADED

L2 5 S L1

L3 159 S L1 FULL

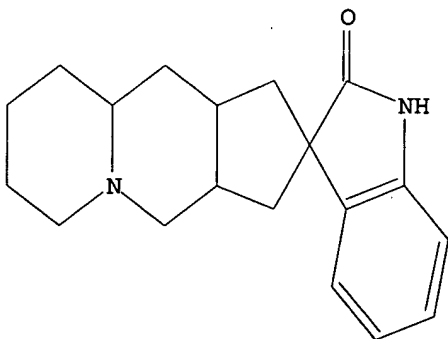
FILE 'CAPLUS' ENTERED AT 14:05:21 ON 21 MAR 2007

L4 43 S L3

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=>